

Attorney Docket No.: 6259.200-US
Larsen et al.
Serial No.: 10/076,025
Express Mail Label No. EV 409530647 US

IN THE CLAIMS:

Please cancel claims 1- 15 without prejudice or disclaimer. Please add new claims :

1-15 Cancelled

16. (New) A device for injecting or infusing medicine wherein:

the device comprises a sealed circuit receiving signals from sensors that monitor selected parameters describing conditions of the device, wherein the sensors are integrated in a sealed circuit block and wherein at least one sensor is a Hall sensor and wherein the Hall sensor is signalled by a magnet fixed to a first part of the device to monitor the position of the first part relative to a second part accomodating the sealed circuit block and wherein the sealed circuit block comprises a timer.

17. (New) The device of claim 16, wherein the timer is triggered by movement of the magnet relative to the Hall sensor.

18. (New) The device of claim 16, wherein a first signal is sent to the circuit to energize the Hall sensor and other energy consuming sensors.

19. (New) The device of claim 16, wherein motion of the first part relative to the second part corresponds to a size of a dose of medication and wherein the motion is sensed by the movement of the magnet relative to the Hall sensor and signal(s) from the Hall sensor communicate to the circuit to track the size of the dose and wherein the timer is triggered by injecting or infusing and tracks elapsed time.

19. (New) An injection or infusion device comprising:

a sealed circuit, wherein the circuit comprises a timer and a Hall element sensor;

an injection button for allowing a user to expel medication from the device;

a magnet fixed to a portion of the device, the portion being moveable relative to the Hall element sensor so that motion of the portion is detected by the Hall effect sensor and communicated to the sealed circuit.

20. (New) The device of claim 19, wherein motion of an injection button is detected by the Hall effect sensor.

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21. (New) The device of claim 19, further comprising a switch that energizes the circuit.
22. (New) The device of claim 20, wherein the Hall effect sensor triggers the timer.
23. (New) A device for injecting or infusing medication at the press of a button, the device comprising:
a circuit for monitoring conditions of the device;
a first part that is moveable relative to a second part, the circuit disposed on or in the first part;
a moveable magnet disposed on or in the second part;
and wherein the circuit comprises a Hall element that signals the circuit when the first and second part move relative to each other; and wherein the circuit comprises a timer that records elapsed time from the pressing of a button during injection or infusion.
24. (New) The device of claim 23, wherein the circuit comprises an additional input that energizes the Hall element
25. (New) A device comprising a housing for accommodating a cartridge of medication having a moveable piston;
 - a. a drive for driving the piston;
 - b. a first part and a second part that move relative to each other;
 - c. a magnet disposed on the first part;
 - d. a sealed circuit comprising a Hall element sensor disposed on the second part that detects the relative motion of the first part and the second part and comprises a timer that is triggered when the drive for piston is activated to expel medication from the cartridge.
26. (New) The device of claim 25, wherein the relative motion of the first part and second part is recorded as a size of a dose and wherein the timer is triggered by the user injecting a dose.
27. (New) A device for injecting or infusing medical preparations in the human body in which the device comprises a sealed electric circuit receiving signals from sensors which monitor selected parameters describing conditions of the device, wherein the sensors are